HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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FILE COVERS 1907 - 4 Dec 2002 VOL 137 ISS 23 FILE LAST UPDATED: 3 Dec 2002 (20021203/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

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=> d stat que
           148 SEA FILE=REGISTRY (ANTHOCYAN/BI OR ANTHOCYANASE/BI OR ANTHOCYAN
                ID/BI OR ANTHOCYANIDIN/BI OR ANTHOCYANIDINE/BI OR ANTHOCYANIDIN
                S/BI OR ANTHOCYANIDOL/BI OR ANTHOCYANIN/BI OR ANTHOCYANINLESS1/
                BI OR ANTHOCYANINS/BI OR ANTHOCYANO/BI OR ANTHOCYANOSIDES/BI)
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              1 SEA FILE=REGISTRY PEONIDIN/CN
L7
             1 SEA FILE=REGISTRY PELARGONIDIN/CN
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          1112 SEA FILE=REGISTRY HYDROCHLORIC ACID?/CN
1.9
           564 SEA FILE=REGISTRY CITRIC ACID?/CN
L10
         10774 SEA FILE=HCAPLUS L5 OR ANTHOCYAN?
L11
          2545 SEA FILE=HCAPLUS L6 OR CYANIDIN
L12
           789 SEA FILE=HCAPLUS L7 OR PEONIDIN
L13
           911 SEA FILE=HCAPLUS L8 OR PELARGONIDIN
L14
            628 SEA FILE=HCAPLUS L11 (L)COLOR? AND (L12 OR L13 OR L14)
L15
            190 SEA FILE=HCAPLUS L15 AND (VEGETABLE? OR PLANT?)
L16
         142738 SEA FILE=HCAPLUS L9 OR HYDROCHLORIC(W) ACID?
L17
          84309 SEA FILE=HCAPLUS L10 OR CITRIC(W) ACID?
L18
              2 SEA FILE=HCAPLUS L16 AND (EXTN OR EXTRACT?)(L)(L17 OR L18)
L19
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=> d ibib abs hitrn 119 1-2

L19 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:798344 HCAPLUS

DOCUMENT NUMBER: 135:343647

TITLE: Anthocyanin dye from plant sources and

method for its preparation

INVENTOR(S): Smirnov, Vitaly Alekseevich; Sidorov, Viktor

Page 2 10/019,194 McIntosh

Viktorovich; Smirnova, Valentina Vladimirovna

PATENT ASSIGNEE(S):

Moldova

SOURCE:

PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

Russian

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PAT	TENT NO.	KIND DATE	APPLICATION NO. DATE	
WO	W: AU. BG.	A1 20011101 BR, CA, CN, DE, CH, CY, DE, DK,	WO 2001-RU121 20010326 ES, HU, IL, IN, MX, NZ, SI, TR, UA, US, YU ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,	J
RU	PT, SE, 2158743 2177015 1191071	C1 20001110 C1 20011220 A1 20020327		
	IE, SI,	FI A 20020402	20010206	

PRIC WO 2001-RU121 W 20010326 The natural coloring agent for food (e.g., ice cream) comprises AΒ

cyanidin glycosides 0.1-8.6, peonidin glycosides 0.08-6.45, pelargonidin glycosides 0.05-4.3, and org. matter and mineral salts to 100 wt.% and has .lambda.max in the range 505-515 nm. The method of prepn. consists in the following steps: a predried anthocyanin-contg. corn leaves and stubble mixt. is ground, steeped in an ext. soln. and extd. with a mixt. of aq. HCl and citric acid under ultrasonic irradn. The coloring agent is then filtered and concd. in vacuum. extn. can be carried out in three steps.

77-92-9, Citric acid, uses 7647-01-0

, Hydrochloric acid, uses

RL: NUU (Other use, unclassified); USES (Uses) (in prepn. of anthocyanin dye compn. by extn. of plant matter)

134-01-0D, Peonidin, glycoside derivs. 134-04-3D ΤТ , Pelargonidin, glycoside derivs. 528-58-5D, Cyanidin, glycoside derivs.

RL: FFD (Food or feed use); MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)

(prepn. of anthocyanin dye compn. contg.)

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS 4 REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2002 ACS 1990:117614 HCAPLUS

ACCESSION NUMBER: DOCUMENT NUMBER:

112:117614

TITLE:

Manufacture of a food colouring agent from plant raw material, and an alcohol-free tonic

drink containing it

INVENTOR(S):

Karimdzhanov, A.; Rakhimkhanov, Z. B.; Sadykov, A. S.; Ismailov, A. I.; Mukhamedova, F. Kh.; Khezhimatov, K.; Martynova, S. A.; Rasulova, A.; Zykova, A. I.; et al.

PATENT ASSIGNEE(S):

Institute of Bioorganic Chemistry, Academy of

10/019,194 Page 3 McIntosh

Sciences, Uzbek S.S.R., USSR

PCT Int. Appl., 27 pp.

SOURCE: CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

Russian

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

APPLICATION NO. DATE KIND DATE PATENT NO. _____ ------WO 1988-SU9 A1 19890727 19880112 WO 8906671 W: FI, JP RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE EP 354960 A1 19900221 EP 1988-903465 19880112 R: DE, FR, GB, IT JP 04505164 T2 19920910 JP 1988-503124 19880112 19881205 CN 1988-108311 19900627 CN 1043326 19880112 WO 1988-SU9 PRIORITY APPLN. INFO.: A food coloring agent made of a vegetable raw material is an ext. sepd. from an anthocyanin-contg. raw material, consisting of (in percent by wt.): cyanidin glycosides 0.2-6.4, peonidin glycosides 0.1-5.3, delphinidin glycosides0.1-4.0, malvidin glycosides 0.1-3.6 and/or petunidin glycosides 0.05-1.5, flavonol 1.0-6.0, tannin 1.0-14.0, org. acids 28.0-43.0, with mineral salts, microelements and polysaccharides making up the balance. Anthocyanin glycoside-contg. plants are crushed and the glycosides extd. with an EtOH-H2O mixt. (pH <3.5). Flowers are extd. using the same extn. medium followed by a second extn. with acidified water (pH <3.5) and the pooled exts. are concd. and mixed with the plant anthocyanin ext. at a ratio of 1:4-5 and the glycosides sepd. by the addn. of tannin, or by concn. of the ext. in the pressence of tannin. An alc.-free tonic drink consists of the following components in kg per 100 decalitres of the drink: fruit juice 100.0-106.0, sugar 67.0-71.0, citric acid 1.28-1.40,

claimed food coloring agent 1.54-1.80, vanillin 0.0017-0.0022,

Et alc. 0.04-0.06, carbon dioxide 20.0, water the balance. 134-01-0D, Peonidin, glycosides 528-58-5D, TΤ

Cyanidine, glycosides

RL: BIOL (Biological study)

(vegetable exts. contg., as food colorant)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

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=> d stat que
           148 SEA FILE=REGISTRY (ANTHOCYAN/BI OR ANTHOCYANASE/BI OR ANTHOCYAN
L5
                ID/BI OR ANTHOCYANIDIN/BI OR ANTHOCYANIDINE/BI OR ANTHOCYANIDIN
                S/BI OR ANTHOCYANIDOL/BI OR ANTHOCYANIN/BI OR ANTHOCYANINLESS1/
                BI OR ANTHOCYANINS/BI OR ANTHOCYANO/BI OR ANTHOCYANOSIDES/BI)
              1 SEA FILE=REGISTRY CYANIDIN/CN
Ь6
              1 SEA FILE=REGISTRY PEONIDIN/CN
L7
             1 SEA FILE=REGISTRY PELARGONIDIN/CN
\Gamma8
          1112 SEA FILE=REGISTRY HYDROCHLORIC ACID?/CN
L9
           564 SEA FILE=REGISTRY CITRIC ACID?/CN
L10
         10774 SEA FILE=HCAPLUS L5 OR ANTHOCYAN?
L11
          2545 SEA FILE=HCAPLUS L6 OR CYANIDIN
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L13
            911 SEA FILE=HCAPLUS L8 OR PELARGONIDIN
L14
            628 SEA FILE=HCAPLUS L11 (L)COLOR? AND (L12 OR L13 OR L14)
L15
            190 SEA FILE=HCAPLUS L15 AND (VEGETABLE? OR PLANT?)
L16
         142738 SEA FILE=HCAPLUS L9 OR HYDROCHLORIC(W) ACID?
L17
         84309 SEA FILE=HCAPLUS L10 OR CITRIC(W) ACID?
L18
              2 SEA FILE=HCAPLUS L16 AND (EXTN OR EXTRACT?)(L)(L17 OR L18)
L19
```

=> d ibib abs hitrn 119 1-2

L19 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 2001:798344 HCAPLUS

DOCUMENT NUMBER: 135:343647

TITLE: Anthocyanin dye from plant sources and

method for its preparation

INVENTOR(S): Smirnov, Vitaly Alekseevich; Sidorov, Viktor

Viktorovich; Smirnova, Valentina Vladimirovna

PATENT ASSIGNEE(S): Molde

SOURCE: PCT Int. Appl., 26 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent Russian

LANGUAGE:

Kussi

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT NO.			KIND DATE				APPLICATION NO.				DATE							
	WO.	2001	0814	78			2001					01-R			2001				
•		W:	AU,	BG,	BR,	CA,	CN,	DE,	ES,	HU,	IL,	IN,	MX,	ΝŻ,	SI,	TR,	UA,	US,	YU
		RW:	AT,	BE,	CH,	CY,	DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	
			PT,	SE,	TR														
	RU	2158	3743		C	1	2000	1110		-		00-1			2000				
	RU	2177	015		C	1	2001	1220		R	U 20	01-1	0158		2001				
	EP	1191			Α		2002			_		01-9		•	2001				
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,	
			IE,	SI,	FI														
	BR	2001	0060	90	A		2002	0402		Е	R 20	01-6	090		2001				
PRT	ORIT	Y APE	PLN.	INFO	. :					RU 2	000-	1103	91	Α	2000	0426			
									•	RU 2	001-	1015	88	Α	2001	0118			
										WO 2	001-	RU12	1	W	2001	0326			

The natural coloring agent for food (e.g., ice cream) comprises cyanidin glycosides 0.1-8.6, peonidin glycosides 0.08-6.45, pelargonidin glycosides 0.05-4.3, and org. matter and mineral salts to 100 wt.% and has .lambda.max in the range 505-515 nm. The method of prepn. consists in the following steps: a predried anthocyanin-contg. corn leaves and stubble mixt. is ground, steeped in an ext. soln. and extd. with a mixt. of aq. HCl and citric acid under ultrasonic irradn. The coloring agent is then filtered and concd. in vacuum. The extn. can be carried out in three steps.

IT 77-92-9, Citric acid, uses 7647-01-0

, Hydrochloric acid, uses

RL: NUU (Other use, unclassified); USES (Uses)
(in prepn. of anthocyanin dye compn. by extn. of
plant matter)

IT 134-01-0D, Peonidin, glycoside derivs. 134-04-3D
, Pelargonidin, glycoside derivs. 528-58-5D,
Cyanidin, glycoside derivs.

RL: FFD (Food or feed use); MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)

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DOCUMENT NUMBER:

112:117614

TITLE:

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drink containing it

INVENTOR(S):

Karimdzhanov, A.; Rakhimkhanov, Z. B.; Sadykov, A. S.; Ismailov, A. I.; Mukhamedova, F. Kh.; Khezhimatov, K.; Martynova, S. A.; Rasulova, A.; Zykova, A. I.; et al. Institute of Bioorganic Chemistry, Academy of

PATENT ASSIGNEE(S): Institute of Bioo

Sciences, Uzbek S.S.R., USSR

SOURCE: PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Russian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND DATE		ICATION NO.	DATE					
	WO 8906671 W: FI, JP				19880112					
	RW: AT, BE, EP 354960	CH, DE, FR, GE	S, IT, LU, NL	, SE 988-903465	19880112					
	R: DE, FR,	GB, IT T2 1992091	.0 JP 1	988-503124	19880112					
PRIO	CN 1043326 RITY APPLN. INFO	A 1990062	7 CN 1 WO 1988	.988-108311 8-SU9						
AB	A food coloring is an ext. sepd	. from an antho	cvanin-contq	ı. raw materia	al,					
	consisting of (: peonidin glycos: malvidin glycos:	ides 0.1-5.3, c ides 0.1-3.6 ar	lelphinidin g nd/or petunic	glycosides0.1 [.] Hin glycoside:	-4.0, s 0.05-1.5, flavonol					
	1.0-6.0, tannin microelements a	1.0-14.0, org. nd polysacchari	acids 28.0- des making u	-43.0, with map the balance	ineral salts, e.					
	Anthocyanin glyoglycosides extd	. with an EtOH-	-H2O mixt. (p	oH < 3.5). Flo	e owers are extd.					
	using the same extn. medium followed by a second extn. with acidified water (pH <3.5) and the pooled exts. are concd. and mixed with the plant anthocyanin ext. at a ratio of 1:4-5 and the glycosides sepd. by the addn. of tannin, or by concn. of the ext. in the pressence of tannin. An alcfree tonic drink consists of the following components in kg per 100 decalitres of the drink: fruit juice									
	100.0-106.0, su	gar 67.0-71.0,	citric acid	1.28-1.40,						
T.M.	claimed food coloring agent 1.54-1.80, vanillin 0.0017-0.0022, Et alc. 0.04-0.06, carbon dioxide 20.0, water the balance. 134-01-0D, Peonidin, glycosides 528-58-5D,									
IT	Cyanidine, glyc	osides	35 J20 J0 JD,							
	RL: BIOL (Biolo (vegetable e	gical study) xts. contg., as	s food colora	ant)						